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	Application No.	Applicant(s)		
	09/777,007	WANG ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Kiesha L. Rose	2822		
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commure GHTS. This application is significant in the community of the community	this application. If not include nication will be mailed in due	ed course. THIS	
1. \boxtimes This communication is responsive to <u>the amendment filed</u> s	<u>5/15/06</u> .			
2. The allowed claim(s) is/are 6-25.				
 Acknowledgment is made of a claim for foreign priority unally all b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application	No	ation from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the re	quirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.			
(a) ☐ including changes required by the Notice of Draftspers		(PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or i	n the Office action of		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			e back) of	
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F.			Note the	
Attachment(s)	5 - - - - - - - - - -		0.450)	
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	<u> </u>	ormal Patent Application (PT	O-152)	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./N	 Interview Summary (PTO-413), Paper No./Mail Date Examiner's Amendment/Comment 		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. ⊠ Examiner's S	Statement of Reasons for Alle	owance	
of Biological Material	9.	Ohel'	21	
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DETAILED ACTION

This Office Action is in response to the amendment filed 15 May 2006.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher Li on August 4, 2006.

The application has been amended as follows:

Claims:

6. A flash memory, comprising: a plurality of memory cells, each memory cell having a single transistor having a single control gate, a single floating gate, a single drain and a single source, said plurality of memory cells arranged in an N-row by M-column array, where N and M are integers greater than or equal to one; N word lines, each word line connecting together the control gates of the transistors in a common and corresponding row; M bit lines, each bit line connecting together the drains of transistors in a common and corresponding column; wherein first and second memory cells of the plurality of memory cells are programmed by applying a first voltage to the respective control gates of the first and second memory cells, applying a second voltage to the

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respective sources of the first and second memory cells and grounding the respective drains of the first and second memory cells, wherein the sources of the first and second memory cells are coupled to a common node, wherein the sources of a plurality of memory cells are connected together to a common node, wherein each of the sources of the memory cells includes a first doped region of a first conductivity type and a second doped region of the first conductivity type to provide a graded profile that is less abrupt than the drain wherein the control gate is applied with a first voltage of 8.5 volts or less and the source region is applied with a second voltage of 4.5 volts or less to program the non-volatile device.

Allowable Subject Matter

Claims 6-25 are allowed.

The following is an examiner's statement of reasons for allowance: Claims 6-25 are allowable because prior art does not show alone or in combination along with the limitations of the independent claim such as the control gate is applied with a voltage of 8.5 volts or less and the source region is applied with a second voltage of 4.5 volts or less to program the non-volatile device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiesha L. Rose whose telephone number is 571-272-1844. The examiner can normally be reached on T-F 8:30-6:00 off Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zandra Smith can be reached on 571-272-2429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael Trimi

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Primary Examinar